

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S2	1	("20010056460").PN.	US-PGPUB; USPAT	OR	OFF	2005/02/10 14:55
S3	9	("5961603" "5982445" "5774664" "6240555" "6237022" "6230319" "6219042" "6209130" "6182072").pn.	US-PGPUB; USPAT	OR	OFF	2005/02/11 07:03
S4	216	Nielson.inv.	US-PGPUB; USPAT	OR	OFF	2005/02/11 07:08
S5	1898	(715/513).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/02/11 07:06
S6	862	(715/530).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/02/11 07:06
S7	771	(715/500.1).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/02/11 07:07
S8	3397	S5 or S6 or S7	US-PGPUB; USPAT	OR	OFF	2005/02/11 07:10
S9	0	S4 and S8	US-PGPUB; USPAT	OR	OFF	2005/02/11 07:08
S10	416	Neilson.inv.	US-PGPUB; USPAT	OR	OFF	2005/02/11 07:08
S11	3	S8 and S10	US-PGPUB; USPAT	OR	OFF	2005/02/11 07:08
S12	9	("5961603" "5982445" "5774664" "6240555" "6237022" "6230319" "6219042" "6209130" "6182072").pn.	US-PGPUB; USPAT	OR	OFF	2005/02/11 08:32
S13	1	S8 AND S12	US-PGPUB; USPAT	OR	OFF	2005/02/11 07:11
S14	3405	S8 or S12	US-PGPUB; USPAT	OR	OFF	2005/02/11 07:40
S15	99682	template\$1	US-PGPUB; USPAT	OR	OFF	2005/02/11 07:40
S16	1911634	content or data or information	US-PGPUB; USPAT	OR	OFF	2005/02/11 07:41
S17	2720010	(multiple or different)	US-PGPUB; USPAT	OR	OFF	2005/02/11 07:41
S18	193591	platform\$1	US-PGPUB; USPAT	OR	OFF	2005/02/11 07:41
S19	4475	S17 adj S18	US-PGPUB; USPAT	OR	OFF	2005/02/11 07:42
S20	74983	data near3 stream\$1	US-PGPUB; USPAT	OR	OFF	2005/02/11 07:54
S21	99765	normaliz\$3	US-PGPUB; USPAT	OR	OFF	2005/02/11 07:43

S22	172	S21 with S20	US-PGPUB; USPAT	OR	OFF	2005/02/11 07:43
S23	1	S15 same S16 same S19 same S22	US-PGPUB; USPAT	OR	OFF	2005/02/11 07:44
S24	22	S15 same S16 same S19	US-PGPUB; USPAT	OR	OFF	2005/02/11 07:49
S25	2499834	disparate or different	US-PGPUB; USPAT	OR	OFF	2005/02/11 07:49
S26	528812	sources	US-PGPUB; USPAT	OR	OFF	2005/02/11 07:49
S27	40235	S25 near3 S26	US-PGPUB; USPAT	OR	OFF	2005/02/11 07:50
S28	226	S15 same S27	US-PGPUB; USPAT	OR	OFF	2005/02/11 07:57
S29	10	S14 and S28	US-PGPUB; USPAT	OR	OFF	2005/02/11 07:50
S31	89967	(data near3 stream\$1) or xml	US-PGPUB; USPAT	OR	OFF	2005/02/11 07:55
S32	19	S28 same S31	US-PGPUB; USPAT	OR	OFF	2005/02/11 07:55
S33	2	S32 and S14	US-PGPUB; USPAT	OR	OFF	2005/02/11 07:55
S34	5193	S15 and S27	US-PGPUB; USPAT	OR	OFF	2005/02/11 07:57
S35	6	S34 and S22	US-PGPUB; USPAT	OR	OFF	2005/02/11 07:57
S36	785	S31 and S34	US-PGPUB; USPAT	OR	OFF	2005/02/11 07:58
S37	34	S14 and S36	US-PGPUB; USPAT	OR	OFF	2005/02/11 08:20
S38	508	((disparate or different) adj source\$1) with (content or HTML or xml)	US-PGPUB; USPAT	OR	OFF	2005/02/11 08:23
S39	1	template\$1 same xml same rule\$1 same logic same parameter\$1 same extract\$4 same (insert\$5 or add\$3)	US-PGPUB; USPAT	OR	OFF	2005/02/11 08:21
S40	2	template\$1 same xml same rule\$1 same logic same parameter\$1	US-PGPUB; USPAT	OR	OFF	2005/02/11 08:21
S41	234	template\$1 same xml same rule\$1	US-PGPUB; USPAT	OR	OFF	2005/02/11 08:21
S42	17	template\$1 same xml same rule\$1 same parameter\$1	US-PGPUB; USPAT	OR	OFF	2005/02/11 08:22
S43	1	S38 and S42	US-PGPUB; USPAT	OR	OFF	2005/02/11 08:22

S44	5	S38 and S41	US-PGPUB; USPAT	OR	OFF	2005/02/11 08:22
S45	1325	((disparate or different) adj source\$1) same (content or HTML or xml)	US-PGPUB; USPAT	OR	OFF	2005/02/11 08:23
S46	16	S45 and S41	US-PGPUB; USPAT	OR	OFF	2005/02/11 08:23
S47	3	("6585778" "6826597" "5983227").pn.	US-PGPUB; USPAT	OR	OFF	2005/02/11 08:58
S48	0	S12 and S47	US-PGPUB; USPAT	OR	OFF	2005/02/11 08:33
S49	7	standardiz\$5 same normaliz\$5 same (data adj stream\$1)	US-PGPUB; USPAT	OR	OFF	2005/02/11 08:47
S50	480	normaliz\$5 same (data adj stream\$1)	US-PGPUB; USPAT	OR	OFF	2005/02/11 08:49
S51	17649	xml	US-PGPUB; USPAT	OR	OFF	2005/02/11 08:48
S52	1	S50 same S51	US-PGPUB; USPAT	OR	OFF	2005/02/11 08:48
S53	20	S50 and S51	US-PGPUB; USPAT	OR	OFF	2005/02/11 08:48
S54	539	standardiz\$5 same (data adj stream\$1)	US-PGPUB; USPAT	OR	OFF	2005/02/11 08:55
S55	38	S51 and S54	US-PGPUB; USPAT	OR	OFF	2005/02/11 08:51
S56	4	S14 and S55	US-PGPUB; USPAT	OR	OFF	2005/02/11 08:49
S57	3402213	generat\$3 or creat\$3 or produc\$3	US-PGPUB; USPAT	OR	OFF	2005/02/11 08:51
S58	38	S55 and S57	US-PGPUB; USPAT	OR	OFF	2005/02/11 08:51
S59	15	S51 same S54	US-PGPUB; USPAT	OR	OFF	2005/02/11 08:51
S60	11	S57 same S59	US-PGPUB; USPAT	OR	OFF	2005/02/11 08:51
S61	7	standardiz\$5 adj (data adj stream\$1)	US-PGPUB; USPAT	OR	OFF	2005/02/11 09:00
S63	4	("6585778" "6826597" "5983227" "5671377").pn.	US-PGPUB; USPAT	OR	OFF	2005/02/11 09:49
S64	107271	normaliz\$5	US-PGPUB; USPAT	OR	OFF	2005/02/11 08:59
S65	0	S63 and S64	US-PGPUB; USPAT	OR	OFF	2005/02/11 08:59
S66	21	normaliz\$5 adj (data adj stream\$1)	US-PGPUB; USPAT	OR	OFF	2005/02/11 09:00

S67	1	normaliz\$5 adj (data adj stream\$1) with standardiz\$5	US-PGPUB; USPAT	OR	OFF	2005/02/11 09:00
S68	1	normaliz\$5 adj (data adj stream\$1) same standardiz\$5	US-PGPUB; USPAT	OR	OFF	2005/02/11 09:00
S69	2619205	(insert\$3 or add\$3)	US-PGPUB; USPAT	OR	OFF	2005/02/11 09:49
S70	39095	media near3 type\$1	US-PGPUB; USPAT	OR	OFF	2005/02/11 09:49
S71	1045	S69 with S70	US-PGPUB; USPAT	OR	OFF	2005/02/11 09:52
S72	193591	platform\$1	US-PGPUB; USPAT	OR	OFF	2005/02/11 09:50
S73	9	S71 same S72	US-PGPUB; USPAT	OR	OFF	2005/02/11 09:51
S74	215	S71 and S72	US-PGPUB; USPAT	OR	OFF	2005/02/11 09:51
S75	18	S14 and S74	US-PGPUB; USPAT	OR	OFF	2005/02/11 09:51
S76	5	S51 same S71	US-PGPUB; USPAT	OR	OFF	2005/02/11 09:56
S77	2172	caching adj (data or information)	US-PGPUB; USPAT	OR	OFF	2005/02/11 09:57
S78	43	S77.ti.	US-PGPUB; USPAT	OR	OFF	2005/02/11 09:58
S79	1915945	advantages	US-PGPUB; USPAT	OR	OFF	2005/02/11 09:58
S80	22	S78 and S79	US-PGPUB; USPAT	OR	OFF	2005/02/11 10:12
S81	1911634	content or data or information	US-PGPUB; USPAT	OR	OFF	2005/02/11 10:12
S82	391303	web\$4	US-PGPUB; USPAT	OR	OFF	2005/02/11 10:12
S83	163503	INternet	US-PGPUB; USPAT	OR	OFF	2005/02/11 10:13
S84	249065	rule\$1	US-PGPUB; USPAT	OR	OFF	2005/02/11 10:13
S85	2687287	repositor\$3 or database\$1	US-PGPUB; USPAT	OR	OFF	2005/02/11 10:13
S86	321	S81 with S82 with S83 same S84	US-PGPUB; USPAT	OR	OFF	2005/02/11 10:14
S87	48451	protocol\$1 with Internet	US-PGPUB; USPAT	OR	OFF	2005/02/11 10:15
S88	321	S86 same S84	US-PGPUB; USPAT	OR	OFF	2005/02/11 10:15
S89	161	S87 and S88	US-PGPUB; USPAT	OR	OFF	2005/02/11 10:15

S90	10	S14 and S89	US-PGPUB; USPAT	OR	OFF	2005/02/11 10:16
S91	7800	conver\$5 with rule\$1	US-PGPUB; USPAT	OR	OFF	2005/02/11 10:17
S92	338	S85 with S91	US-PGPUB; USPAT	OR	OFF	2005/02/11 10:17
S93	22763	content same media	US-PGPUB; USPAT	OR	OFF	2005/02/11 10:17
S94	2	S92 same S93	US-PGPUB; USPAT	OR	OFF	2005/02/11 10:18
S95	37	S92 and S93	US-PGPUB; USPAT	OR	OFF	2005/02/11 10:30
S96	1473	navigat\$3 near3 (website\$1 or web-site\$1 or (web adj site\$1))	US-PGPUB; USPAT	OR	OFF	2005/02/11 10:30
S97	58287	access\$3 adj (content or data)	US-PGPUB; USPAT	OR	OFF	2005/02/11 10:31
S98	61310	without adj changing	US-PGPUB; USPAT	OR	OFF	2005/02/11 10:31
S99	1	S96 with S97 with S98	US-PGPUB; USPAT	OR	OFF	2005/02/11 10:31
S100	1	S96 same S97 same S98	US-PGPUB; USPAT	OR	OFF	2005/02/11 10:31
S101	14	S96 same S97	US-PGPUB; USPAT	OR	OFF	2005/02/11 10:35
S103	1	("6542593").PN.	US-PGPUB; USPAT	OR	OFF	2005/02/11 10:33
S104	29	browser with access\$3 with (content or data) with changing	US-PGPUB; USPAT	OR	OFF	2005/02/11 10:36
S105	4770	browser with access\$3 with (content or data)	US-PGPUB; USPAT	OR	OFF	2005/02/11 10:38
S106	184	S14 and S105	US-PGPUB; USPAT	OR	OFF	2005/02/11 10:37
S107	620	browser with access\$3 with (content or data) with (web adj site\$1 or website\$1 or web-site\$1)	US-PGPUB; USPAT	OR	OFF	2005/02/11 10:39
S108	23	S14 and S107	US-PGPUB; USPAT	OR	OFF	2005/02/11 10:41
S109	0	S107 same unchanged	US-PGPUB; USPAT	OR	OFF	2005/02/11 10:43
S110	32	S107 and unchanged	US-PGPUB; USPAT	OR	OFF	2005/02/11 10:41
S111	0	S107 same ("not" adj changing)	US-PGPUB; USPAT	OR	OFF	2005/02/11 10:44
S112	0	("not" adj changing)	US-PGPUB; USPAT	OR	OFF	2005/02/11 10:44

S11 3	1527	conversion with rules	US-PGPUB; USPAT	OR	OFF	2005/07/26 06:46
S11 4	518475	web\$5 or internet\$1	US-PGPUB; USPAT	OR	OFF	2005/07/26 06:30
S11 5	447169	media or hypermedia or hyper-media	US-PGPUB; USPAT	OR	OFF	2005/07/26 06:30
S11 6	302230	protocol\$1	US-PGPUB; USPAT	OR	OFF	2005/07/26 06:30
S11 7	188796	internet	US-PGPUB; USPAT	OR	OFF	2005/07/26 06:30
S11 8	55797	S116 with S117	US-PGPUB; USPAT	OR	OFF	2005/07/26 06:32
S11 9	2695309	harvest\$3 or attain\$3 or acquir\$4 or captur\$4 or procur\$4 or obtain\$3 or gather\$4	US-PGPUB; USPAT	OR	OFF	2005/07/26 06:46
S12 0	38536	S119 with S115	US-PGPUB; USPAT	OR	OFF	2005/07/26 06:33
S12 1	1065	S120 with S114	US-PGPUB; USPAT	OR	OFF	2005/07/26 06:34
S12 2	1	S121 same S113	US-PGPUB; USPAT	OR	OFF	2005/07/26 06:33
S12 3	2	S121 and S113 and S118	US-PGPUB; USPAT	OR	OFF	2005/07/26 06:34
S12 4	3	S121 and S113	US-PGPUB; USPAT	OR	OFF	2005/07/26 06:34
S12 5	43537	access\$3 with S115	US-PGPUB; USPAT	OR	OFF	2005/07/26 06:35
S12 6	27297	S114 and S125	US-PGPUB; USPAT	OR	OFF	2005/07/26 06:35
S12 7	105	S126 and S113	US-PGPUB; USPAT	OR	OFF	2005/07/26 06:35
S12 8	75	S127 and S116	US-PGPUB; USPAT	OR	OFF	2005/07/26 06:35
S12 9	122	conversion with rules with (repositor\$3 or database\$1)	US-PGPUB; USPAT	OR	OFF	2005/07/26 06:46
S13 0	3060165	harvest\$3 or attain\$3 or acquir\$4 or captur\$4 or procur\$4 or obtain\$3 or gather\$4 or access\$4	US-PGPUB; USPAT	OR	OFF	2005/07/26 06:46
S13 1	80685	S130 with S115	US-PGPUB; USPAT	OR	OFF	2005/07/26 06:47
S13 2	6	S129 same S131	US-PGPUB; USPAT	OR	OFF	2005/07/26 06:47
S13 3	21	S129 and S131	US-PGPUB; USPAT	OR	OFF	2005/07/26 06:47
S13 4	108392	template\$1	US-PGPUB; USPAT	OR	OFF	2005/07/26 07:02

S13 5	1140832	content\$1	US-PGPUB; USPAT	OR	OFF	2005/07/26 07:02
S13 6	2174550	content\$1 or data or information	US-PGPUB; USPAT	OR	OFF	2005/07/26 07:04
S13 7	3346410	multiple or different or many	US-PGPUB; USPAT	OR	OFF	2005/07/26 07:02
S13 8	207547	platform\$1	US-PGPUB; USPAT	OR	OFF	2005/07/26 07:03
S13 9	29998	S137 with S138	US-PGPUB; USPAT	OR	OFF	2005/07/26 07:03
S14 0	19587	S134 with S136	US-PGPUB; USPAT	OR	OFF	2005/07/26 07:03
S14 1	56	S139 same S140	US-PGPUB; USPAT	OR	OFF	2005/07/26 07:20
S14 2	43686	html or xml	US-PGPUB; USPAT	OR	OFF	2005/07/26 07:04
S14 3	2010	S134 with S142	US-PGPUB; USPAT	OR	OFF	2005/07/26 07:04
S14 4	11	S139 same S143	US-PGPUB; USPAT	OR	OFF	2005/07/26 07:04
S14 5	922	(715/530).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/07/26 07:22
S14 7	2111	(715/513).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/07/26 07:22
S14 8	863	(715/500.1).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/07/26 07:22

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Relevance scale **1 A system for the seamless integration of personal messages using agents developed on  a lotus notes platform.**

Ramiro Liscano, Roger Impey, Paul Gordon, Suhayya Abu-Hakima

November 1996 **Proceedings of the 1996 conference of the Centre for Advanced Studies on Collaborative research**Full text available:  [pdf\(92.87 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We introduce a seamless messaging system for the management of personal messages. The aim of it is to intercept, filter, interpret, and deliver multimodal messages (voice, fax, and/or e-mail messages). Messages are delivered to the recipient regardless of their target messaging device. Seamless messaging involves finding the person (if urgent) and delivering the information to them on their cellular phone, pager, laptop, nearest fax, telephone, or workstation. The system includes a set of person ...

2 Position papers: System support for knowledge-based trading in open service markets 

A. Puder, K. Geihs

September 1996 **Proceedings of the 7th workshop on ACM SIGOPS European workshop: Systems support for worldwide applications**Full text available:  [pdf\(770.67 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

An open distributed service environment can be perceived as a service market where services are freely offered and requested. Any infrastructure which seeks to provide appropriate mechanisms for such an environment has to include some mediator functionality to bring together matching service requests and service offers. The matching algorithm that the mediator must perform commonly builds upon an IDL-based type definition for service specification. We propose a type specification notation based ...

Keywords: Open distributed environments, conceptual graphs, service knowledge base, service matching, trading, type graphs

Results 1 - 2 of 2

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Relevance scale

1 Fast detection of communication patterns in distributed executions
Thomas Kunz, Michiel F. H. Seuren
November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**
Full text available:  pdf(4.21 MB) Additional Information: full citation, abstract, references, index terms

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

2 Creating an HTML help system for web-based products
Laura Rintjema, Kara Warburton
September 1998 **Proceedings of the 16th annual international conference on Computer documentation**
Full text available:  pdf(770.53 KB) Additional Information: full citation, references, citations, index terms

Keywords: hypertext information system, information architecture, navigation, task-oriented help

3 XML based adaptation of the composite approach for database integration
Brian Ensink, Kimberly Haveman, Mochan Shrestha, Todd Schavey
April 1999 **Proceedings of the 37th annual Southeast regional conference (CD-ROM)**
Full text available:  pdf(294.10 KB) Additional Information: full citation, index terms

4 Applications: A visual interface for synchronous collaboration and negotiated transactions
Lutz Wegner, Manfred Paul, Jens Thamm, Sven Thelemann
May 1996 **Proceedings of the workshop on Advanced visual interfaces**

Full text available:  pdf(2.43 MB) Additional Information: [full citation](#), [abstract](#), [references](#)

This paper introduces a visual interface for computer-supported cooperative work (CSCW). The interface is an extension of the editor interface of ESCHER, a prototype database system based on the extended non-first-normal-form data model. In ESCHER, the nested table approach is the paradigm for presenting data, where presenting includes browsing, editing and querying the database. Interaction is achieved by fingers generalising the well-known cursor concept. When several users a ...

5 [Pen computing: a technology overview and a vision](#)



André Meyer

July 1995 **ACM SIGCHI Bulletin**, Volume 27 Issue 3

Full text available:  pdf(5.14 MB) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

This work gives an overview of a new technology that is attracting growing interest in public as well as in the computer industry itself. The visible difference from other technologies is in the use of a pen or pencil as the primary means of interaction between a user and a machine, picking up the familiar pen and paper interface metaphor. From this follows a set of consequences that will be analyzed and put into context with other emerging technologies and visions. Starting with a short historic ...

6 [Rethinking the reference manual: using database technology on the WWW to provide complete, high-volume reference information without overwhelming readers](#)



Michael Priestley, Luc Chamberland, Julian Jones

October 1996 **Proceedings of the 14th annual international conference on Systems documentation: Marshaling new technological forces: building a corporate, academic, and user-oriented triangle**

Full text available:  pdf(492.92 KB) Additional Information: [full citation](#), [citations](#), [index terms](#)

7 [A formal model for the parallel semantics of P3L](#)



A. Cavarra, E. Riccobene, A. Zavanella

March 2000 **Proceedings of the 2000 ACM symposium on Applied computing - Volume 2**

Full text available:  pdf(748.98 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: P3L, abstract state machines, formal methods, operational semantics, parallel languages

8 [Symbolic and algebraic computation in robust stability analysis](#)



Nainn-Ping Ke

March 2000 **ACM SIGSAM Bulletin**, Volume 34 Issue 1

Full text available:  pdf(1.06 MB) Additional Information: [full citation](#), [index terms](#)

Keywords: complexity, polynomial systems, robustness, stability, symbolic computation

9 [Hybrid computation of bivariate rational interpolation](#)



Hiroshi Kai, Matu-Tarow Noda

March 2000 **ACM SIGSAM Bulletin**, Volume 34 Issue 1

Full text available: Additional Information:

 pdf(1.19 MB)[full citation](#), [index terms](#)**10 Rapid computation of Bernoulli and related numbers**

K. Hare

March 2000 **ACM SIGSAM Bulletin**, Volume 34 Issue 1Full text available:  pdf(1.35 MB)Additional Information: [full citation](#), [index terms](#)**11 Computing gröbner fans of toric ideals**

Birkett Huber

March 2000 **ACM SIGSAM Bulletin**, Volume 34 Issue 1Full text available:  pdf(1.28 MB)Additional Information: [full citation](#), [index terms](#)**12 Ada and Java on the WWW**

Robert G. Munck, Richard F. Hilliard

May 1997 **ACM SIGAda Ada Letters**, Volume XVII Issue 3Full text available:  pdf(745.26 KB)Additional Information: [full citation](#), [abstract](#), [index terms](#)

The Java language for World-Wide Web (WWW, "Web") programming, a "cleaned-up" variant of C++, is currently receiving great amounts of publicity. It compiles to an executable byte-code that is run interpretively, making it object-code portable to any platform having an interpreter. The primary use is to download logic embedded in Web pages, allowing them to have animated images, automatic playing of digitized audio and video, syntactic checking of forms entries, interactive games, and other actio ...

13 An open distributed architecture for reuse and integration of heterogeneous NLP components

Rémi Zajac, Mark Casper, Nigel Sharples

March 1997 **Proceedings of the fifth conference on Applied natural language processing**Full text available:  pdf(778.63 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#) Publisher Site

The shift from *Computational Linguistics* to *Language Engineering* is indicative of new trends in NLP. This paper reviews two NLP engineering problems: reuse and integration, while relating these concerns to the larger context of applied NLP. It presents a software architecture which is geared to support the development of a variety of large-scale NLP applications: Information Retrieval, Corpus Processing, Multilingual MT, and integration of Speech Components.

14 Developing applications with the Alpha UIMS

Daniel Klein

October 1995 **interactions**, Volume 2 Issue 4Full text available:  pdf(483.60 KB)Additional Information: [full citation](#), [references](#), [index terms](#)**15 Design and implementation of IBIDS—an Internet based integrated design system**

Usha Chandra, Jinyu Shi, Namas Chandra

April 1999 **Proceedings of the 37th annual Southeast regional conference (CD-ROM)**

Full text available:  pdf(68.06 KB) Additional Information: [full citation](#), [index terms](#)

Keywords: Web security, client/server technology, integrated systems

16 Concurrency and distribution in object-oriented programming 

Jean-Pierre Briot, Rachid Guerraoui, Klaus-Peter Lohr

September 1998 **ACM Computing Surveys (CSUR)**, Volume 30 Issue 3

Full text available:  pdf(289.34 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper aims at discussing and classifying the various ways in which the object paradigm is used in concurrent and distributed contexts. We distinguish among the library approach, the integrative approach, and the reflective approach. The library approach applies object-oriented concepts, as they are, to structure concurrent and distributed systems through class libraries. The integrative approach consists of merging concepts such as obj ...

Keywords: concurrency, distribution, integration, libraries, message passing, object, reflection

17 Multimodal user interfaces in the Open Agent Architecture 

Douglas B. Moran, Adam J. Cheyer, Luc E. Julia, David L. Martin, Sangkyu Park

January 1997 **Proceedings of the 2nd international conference on Intelligent user interfaces**

Full text available:  pdf(980.98 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: agent architecture, gesture, handwriting, multimodal, natural language, speech

18 A study of the applicability of existing exception-handling techniques to component-based real-time software technology 

Jun Lang, David B. Stewart

March 1998 **ACM Transactions on Programming Languages and Systems (TOPLAS)**, Volume 20 Issue 2

Full text available:  pdf(220.57 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This study focuses on the current state of error-handling technology and concludes with recommendations for further research in error handling for component-based real-time software. With real-time programs growing in size and complexity, the quality and cost of developing and maintaining them are still deep concerns to embedded software industries. Component-based software is a promising approach in reducing development cost while increasing quality and reliability. As with any other real- ...

Keywords: component-based software, error detection and handling, faults, reconfigurable software, signals, survey, timing and deadline failures

19 A real world conversion to SGML 

Dee Stribling, Tim Hunter, Len Olszewski, Anne Corrigan, Randy Mullis, Lloyd Allen

October 1996 **Proceedings of the 14th annual international conference on Systems**

documentation: Marshaling new technological forces: building a corporate, academic, and user-oriented triangleFull text available:  pdf(1.19 MB) Additional Information: [full citation](#), [index terms](#)**20 Cyberguide: a mobile context-aware tour guide**

Gregory D. Abowd, Christopher G. Atkeson, Jason Hong, Sue Long, Rob Kooper, Mike Pinkerton

October 1997 **Wireless Networks**, Volume 3 Issue 5Full text available:  pdf(596.81 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Future computing environments will free the user from the constraints of the desktop. Applications for a mobile environment should take advantage of contextual information, such as position, to offer greater services to the user. In this paper, we present the Cyberguide project, in which we are building prototypes of a mobile context-aware tour guide. Knowledge of the user's current location, as well as a history of past locations, are used to provide more of the kind of services that we co ...

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